

## ABSTRACT

A method and system for providing a modular server-on-a-USB-flash-storage is disclosed. The server-on-a-USB- flash-storage is installed on a computing device. The method and system include providing USB interface logic, USB Local Control Program, a flash memory and a set of control button connectors, light emitting diodes (LED) connectors and a liquid crystal display (LCD) connector. The USB Local Control Program is coupled with the USB interface logic and the flash memory. The USB interface logic interacts with the computing device and allows computing device to detect the server board. The USB Local Control Program boots up the server and prepares the computing device for use as the server. The flash memory stores a server image for the server, which is provided to the computing device using the USB Local Control Program. The control button connectors allow the server to be turned on, shut down gracefully, or restored to its initial state, by a single press of buttons connected to these connectors. The LED and LCD connectors allow the system status to be displayed or shown.